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ABSTRACT:

PURPOSE: To provide a ski and a pole which are easily visible for the existence, shape and size even from afar at night and high in safety and fashion property.

CONSTITUTION: The whole or part forming a ski (including the portion closely stuck to the ski and regarded as part of the ski) is made of a semi-transparent body 2, and the light from a built-in light emitting device 2 is radiated on the semi-transparent body 2.

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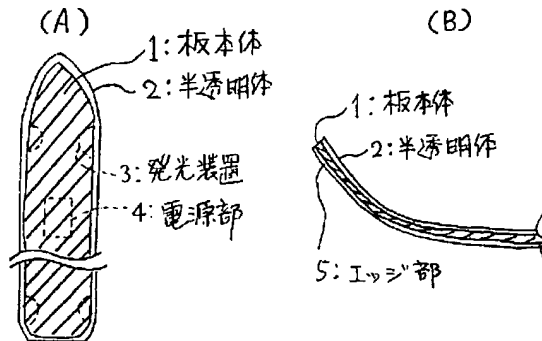
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(54)【発明の名称】 スキー板およびスキーストック

(57)【要約】

【目的】 夜間離れた所からでもその存在や形状、大きさを容易に視認でき、安全性およびファッション性の高いスキー板およびストックを得る。

【構成】 スキー板を形成する全部または一部(スキー板と密着してスキー板の一部と看なされる部分を含む)を半透明体で構成し、内蔵させた発光装置からの光を上記半透明体に放射させることを特徴とする。



【特許請求の範囲】

【請求項1】 板を形成する全部または一部（板と密着して板の一部と看なされる部分を含む）を半透明体（透明体と看なされる範囲を含む）で構成し、内蔵した発光装置からの光を上記半透明体に放射させる構造を特徴とするスキー板。

【請求項2】 ストックを形成する全部または一部（ストックと密着してストックの一部と看なされる部分を含む）を半透明体（透明体と看なされる範囲を含む）で構成し、内蔵させた発光装置からの光を上記半透明体に放射させる構造を特徴とするスキーストック。

【発明の詳細な説明】

【0001】

【産業上の利用分野】この発明は、スキー板（skiing用の板）およびスキーストック（stock）の構造に関する。

【0002】

【従来の技術】現在市販されているスキー板およびスキーストックは良く知られており、その形状や機能は本発明に係るスキー板およびスキーストックも同様であり、ここではその説明は省略する。

【0003】

【発明が解決しようとする課題】現在、幾つかのスキー場（ゲレンデ）においては、夜間照明設備が備えられ、夜間でも滑ることができるようになっており、ナイタースキーを楽しむ人口は増加する一方と考えられる。ここで問題となるのは、スキー板およびスキーストック自体に照明装置がないことである。すなわち、ゲレンデ自体は照明設備によって夜間でも十分な視界を保てるようになっているが、ゲレンデを歩離れると、全く暗闇につつまれてしまい、スキー板およびスキーストックの視認が容易でない。

【0004】従って、日が落ちた夕暮れ時や夜間において、

- (1) . ゲレンデへ向かう道のりで手に持って移動している際に車や他人と接触してしまう事故が良く起こる。
- (2) . リフトで上昇中や滑っている途中で誤ってスキー板やスキーストックを流してしまった場合、他人に怪我をさせてしまったり、何処にいったのか存在が確認できなくなる。
- (3) . ロッジの周辺に立て掛けておいた場合、他人が存在に気づかず、ぶつかって怪我をしたり、立て掛けておいた自分の板やストックが解らなくなる等の問題点があった。

このような事故等を防ぐために、各人で蛍光塗料を塗付した紙や反射紙をスキー板やスキーストックに張り付けているのを良く見かけるが、照明設備のない夜間には殆ど役立っていないのが現状である。

【0005】本発明に係る課題を解決するためになされたもので、夜間離れた所からでもその存在や形状、大き

さを容易に視認できるスキー板およびスキーストックを提供することを目的としている。

【0006】

【課題を解決するための手段】本発明に係るスキー板は、スキー板を形成する全部または一部（スキー板と密着してスキー板の一部と看なされる部分を含む）を半透明体（透明体と看なされるものを含む。以下、同じ）で構成し、内蔵した発光装置からの光を上記半透明体に放射させることを特徴とする。

10. 【0007】また、本発明に係るスキーストックは、ストックを形成する全部または一部（ストックと密着してストックの一部と看なされる部分を含む）を半透明体（透明体と看なされるものを含む。以下、同じ）で構成し、内蔵させた発光装置からの光を上記半透明体に放射させることを特徴とする。

【0008】

【作用】上記半透明体に発光装置から光が放射されることにより、該半透明体自体が光の発光体および放射体を構成でき、暗闇でもスキー板やスキーストックの存在を容易に視認できる。

【0009】

【実施例】

実施例1. 図1は本発明の一実施例を示す図で、図1（A）は本発明のスキー板の部分正面図、図1（B）はその部分側面図であり、図において、1は板本体、2は半透明体、3はそれぞれ発光装置、4は電源部、5はエッジ部を示す。図1では省略しているが、スイッチング機構を操作することにより、電源部4から電流が流れ発光装置3が発光し、その光が半透明体2へ放射される。従って、半透明体2自体が光の発光体および放射体を構成でき、暗闇でもスキー板の存在を容易に確認できる。また、雪面に置かれた場合周囲の雪を照らし、なお一層視認が容易となる。また、夜間だけ照明すれば良く、且つ発光体としての直射光や雪面の反射を視認することになるため、発光装置3からの発光量は微弱で済み、発光装置3の数も少なく済み、消費電力も微力でよく、電源部4も簡単なもので済む。

40. 【0010】なお、スキー板の運動性能との関係においても、現在のエンジニアリング・プラスチック技術や接着、積層技術を用いれば、特に問題は無い。

【0011】図2（A）は他の実施例を示す図で、透明体（半透明体）と発光装置とが一緒になったLED6を一行に並べた実施例であり、その他は図1と同様である。

【0012】図2（B）は、スキー靴7の所定位置に電源部4と電源接触端子8とを取り付けた実施例を示し、夜間にスイッチ（図示せず）をONしてスキー靴7を本発明のスキー板にセットすることで、本発明のスキー板自体が発光するようにしたものである。

【0013】なお、電源部4に太陽電池を使う等、電源

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部やスイッチ、電源接触端子については、種々の応用例が考えられ、上記実施例に限定されるものではない。

【0014】実施例2. 上記実施例1におけるスキー板と同様にして発光するスキースtock (ski-stock) を構成すれば、実施例1と同様の効果を奏するstockが得られる。

【0015】

【発明の効果】本発明は以上説明したように、夜間離れ

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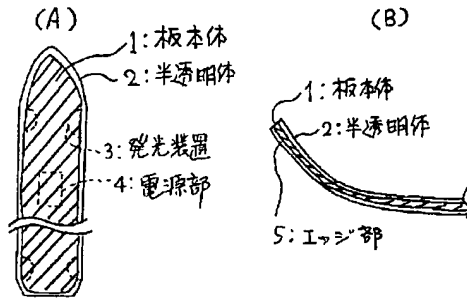
た所からでもその存在や形状、大きさを容易に視認できるスキー板およびスキースtockを得ることができ、安全性およびファッション性を向上させることができる等の効果がある。

【図面の簡単な説明】

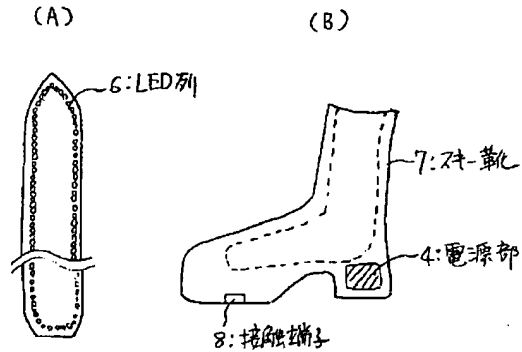
【図1】本発明のスキー板の一実施例を示す図である。

【図2】本発明のスキー板の他の実施例を示す図である。

【図1】



【図2】



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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the structure of a skiing plate (plate for skiing), and skipole (stock).

[0002]

[Description of the Prior Art] The skiing plate and skipole by which current marketing is carried out are known well, the same of the configuration and function is said also of the skiing plate and skipole concerning this invention, and the explanation is omitted here.

[0003]

[Problem(s) to be Solved by the Invention] the population which it can have lighting facilities at night, can slide in some skiing areas (skiing slope) also at night now, and enjoys night game skiing increases -- while -- ** -- it thinks. It poses a problem that there is no lighting system in a skiing plate and the skipole itself here. That is, although the skiing slope itself can maintain field of view sufficient also in Nighttime by lighting facilities, if a skiing slope is left 1 step, a check by looking of the skiing plate and skipole which will not carry out **** rare ** is not easy for darkness at all.

[0004] Therefore, it sets at the time of the twilight from which the day fell, or Nighttime, and is (1).

When having and moving to the hand in the distance which goes to . skiing slope, the accident in contact with a vehicle or others happens well.

(2) When a skiing plate and skipole have been accidentally passed by . lift the inside of a rise, and while sliding, it becomes impossible to make others injured or to check for existence where it has said.

(3) When it put around . lodge, others have not noticed existence, but it collided, and it was injured and there were troubles, like their own plate or stock which were put are not clear anymore.

Although it sees well sticking on a skiing plate or skipole the paper which carried out fluorescent paint with ** to everybody, and reflective paper in order to prevent such accident etc., the present condition is that it is hardly useful to Nighttime without lighting facilities.

[0005] It was made in order that this invention might solve the starting technical problem, and it aims at offering the skiing plate and skipole which can check the existence and configuration, and magnitude by looking easily even from the place distant at night.

[0006]

[Means for Solving the Problem] The skiing plate concerning this invention is the translucent body (that it is considered that is the transparent body is included.) about all or the part (the part sticks with a skiing plate and it is considered that are some skiing plates is included) which forms a skiing plate. the following -- being the same -- it is characterized by constituting and making the light from the built-in luminescence equipment emit to the above-mentioned translucent body.

[0007] Moreover, the skipole concerning this invention is the translucent body (that it is considered that is the transparent body is included.) about all or the part (the part sticks with a stock and it is considered that are some stocks is included) which forms a stock. the following -- being the same -- it is characterized by constituting and making the light from the luminescence equipment made to build in

emit to the above-mentioned translucent body.

[0008]

[Function] By emitting light to the above-mentioned translucent body from luminescence equipment, this translucent body itself can constitute the emitter and radiator of light, and it can check existence of a skiing plate and skipole by looking easily also in darkness.

[0009]

[Example]

Example 1. drawing 1 is drawing showing one example of this invention, drawing 1 (A) is the partial front view of the skiing plate of this invention, drawing 1 (B) is the partial side elevation, in drawing, in 1, luminescence equipment and 4 show a power supply section, and, as for the body of a plate, and 2, 5 shows the edge section, respectively, as for the translucent body and 3. Although omitted in drawing 1, by operating a switching device, a current flows from a power supply section 4, luminescence equipment 3 emits light, and the light is emitted to the translucent body 2. Therefore, translucent-body 2 the very thing can constitute the emitter and radiator of light, and can check existence of a skiing plate easily also in darkness. Moreover, when put on a snow surface, surrounding snow is illuminated, and checking by looking becomes easier still still. Moreover, that what is necessary is to illuminate only Nighttime, since the direct solar radiation as an emitter and reflection of a snow surface will be checked by looking, there is few luminescence equipment 3 and it ends, and the amount of luminescence of power consumption from luminescence equipment 3 is good in poor ability, and it is feeble, ends and it ends [a power supply section 4 is also easy the amount, and].

[0010] In addition, also in relation with the movement engine performance of a skiing plate, if current engineering plastics technology, and adhesion and a laminating technique are used, there will be especially no problem.

[0011] It is drawing showing other examples, and drawing 2 (A) is the example which arranged in the single tier LED6 to which the transparent body (translucent body) and luminescence equipment became together, and others of it are the same as that of drawing 1.

[0012] It is made for the skiing plate of this invention itself to emit light by drawing 2 (B) showing the example which attached the power supply section 4 and the power-source contact terminal 8 in the predetermined location of ski boots 7, switching on at night (not shown), and setting ski boots 7 to the skiing plate of this invention.

[0013] In addition, neither about a power supply section, such as using a solar battery for a power supply section 4, nor a switch and a power-source contact terminal, various applications can be considered and it is limited to the above-mentioned example.

[0014] If the skipole (ski-stock) which emits light like the skiing plate in the example 2. above-mentioned example 1 is constituted, the stock which does so the same effectiveness as an example 1 will be obtained.

[0015]

[Effect of the Invention] As explained above, this invention can obtain the skiing plate and skipole which can check the existence and configuration, and magnitude by looking easily even from the place distant at night, and has the effectiveness of being able to raise safety and fashionability.

[Translation done.]

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MEANS

[Means for Solving the Problem] The skiing plate concerning this invention is the translucent body (that it is considered that is the transparent body is included.) about all or the part (the part sticks with a skiing plate and it is considered that are some skiing plates is included) which forms a skiing plate. the following -- being the same -- it is characterized by constituting and making the light from the built-in luminescence equipment emit to the above-mentioned translucent body.

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EXAMPLE

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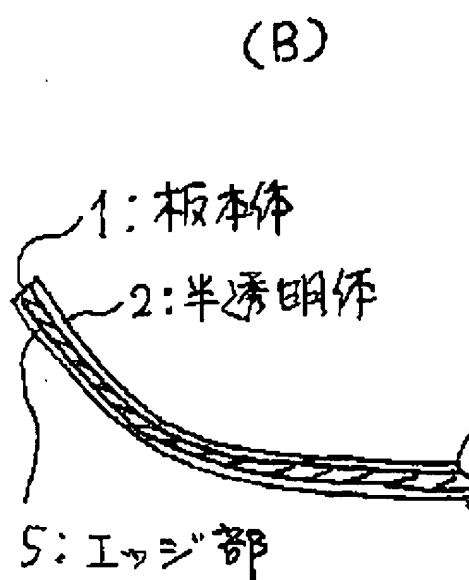
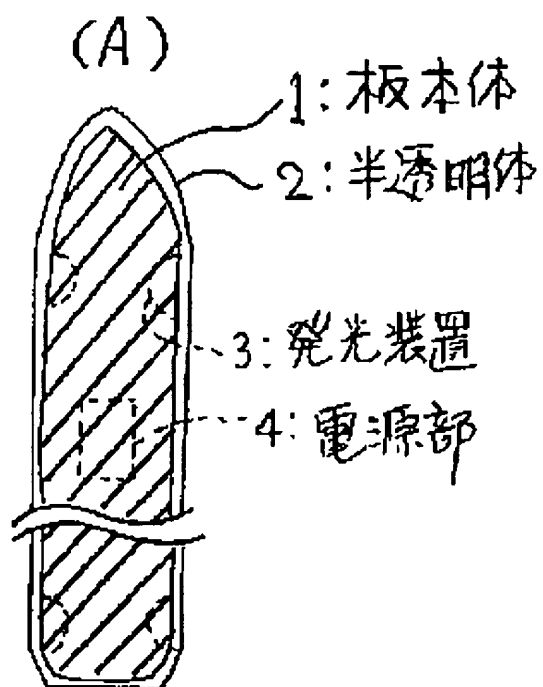
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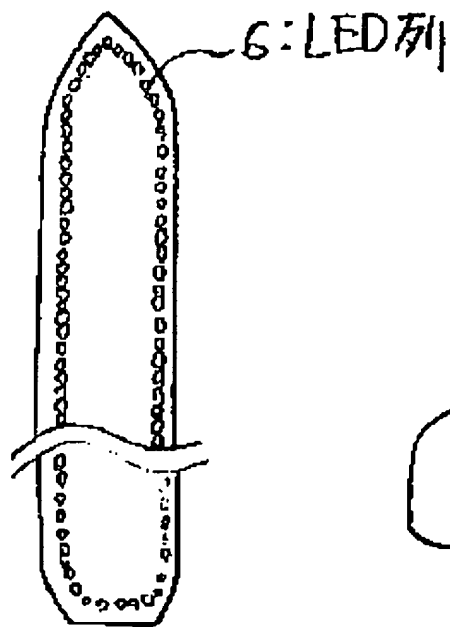
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[Translation done.]



(A)



(B)

